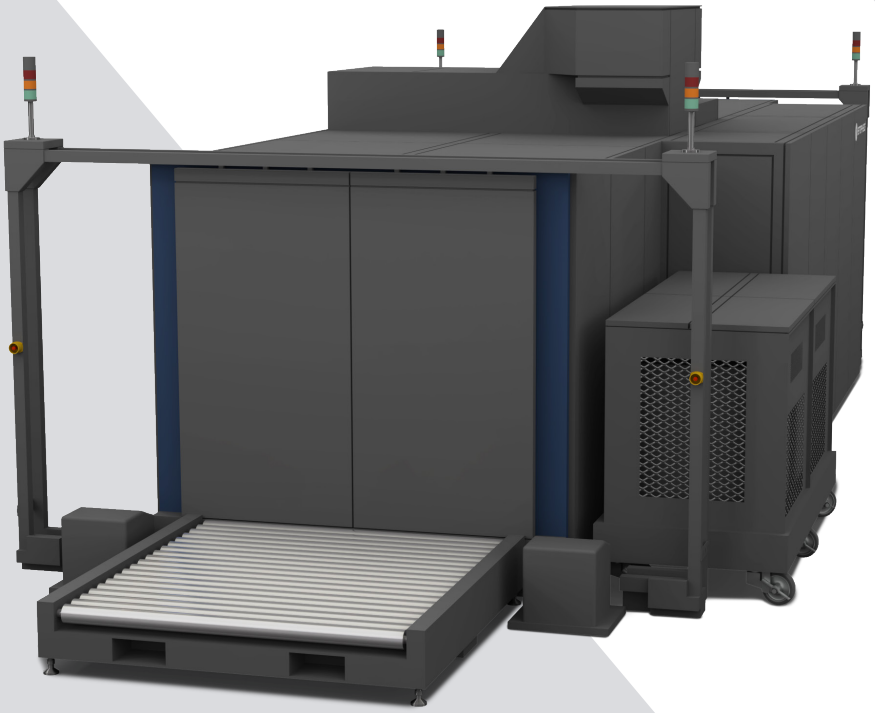
ASTROPHYSICS®

XIS-1818DV™ 450kV



PRODUCT HIGHLIGHTS

- 450kV Generator
- Enhanced Imaging™ (EI)
- 110mm Steel Penetration
- 32 AWG Wire Resolution
- Field Proven Reliability

DESIGNED IN THE USA
MADE IN NORTH AMERICA

PRODUCT DESCRIPTION

The XIS-1818DV 450kV™ is the ultimate cargo X-Ray Inspection System (XIS), designed for increased penetration screening of heavy cargo. The system features powerful dual 450kV generators that provide the best penetration and image resolution in its class. With field proven reliability, comprehensive Real-Time Diagnostics, and a reputation for customer service excellence, Astrophysics is the premier air cargo partner.

ABOUT ASTROPHYSICS

Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners. Headquartered outside of Los Angeles, CA in the USA, Astrophysics has over 40,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1818DV™ 450kV

CARGO

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	181.4 cm x 180.6 cm 71.4" x 71.1"
Dimensions:[1] (LxWxH)	1217.7 cm x 443.2 cm x 322.6 cm 479.4" x 174.5" x 127"
Conveyor Speed:	20 cm/s (40 ft or 12m/min) Forward or Reverse
Conveyor Height:	35 cm (13.75") from Floor
Conveyor Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 450kV Generators
Wire Resolution:[2]	32 AWG Typical, 28 AWG Standard
Steel Penetration:[2]	110 mm Typical, 100 mm Standard
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward, Vertically Downward

COMPUTER & VIDEO

Platform:	Windows® OS
Memory:	16 GB RAM
Storage Capacity:	256 GB SSD

ENVIRONMENTAL

Operating Temperature:	0°C to 40°C / 32°F to 104°F
Storage Temperature:	-20°C to 60°C / -4°F to 140°F
Humidity:	Up To 95% Non-Condensing

ELECTRICAL

System Power:	3 Phase, 220VAC +/- 10%, 50/60Hz, 50 Amp Min.
Power Conditioner:	Uninterruptible Power Supply (UPS) (Computer Operation)

HEALTH & SAFETY

Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)

Typical radiation leakage is less than 0.1 mR/hr
(Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

Atomic Z-Number Measurement
Geometric Image Distortion Correction
Material Discrimination
Real-Time Image Manipulation
Software Pedestal

Auto Image Archiving
Manual Bitmap Archive

Baggage Counter
Multi-Tier Accessibility
Network Ready
Print Image Capable
Real-Time Self Diagnostics

9 Quadrant Zoom
Continuous Zoom Up to 64x
Vertical Zoom Panning

OPTIONAL

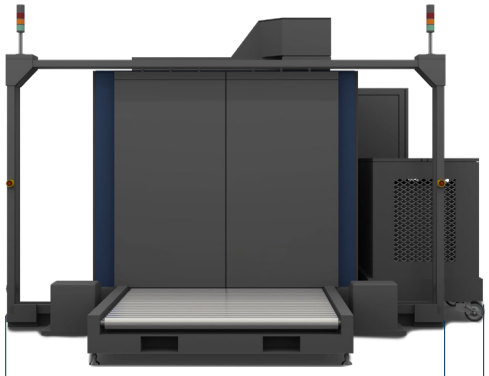
Barcode Scanning
Computer Based Training (CBT)
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Custom Paint
Entry/Exit Roller Tables
Environmental Kit

Footmat Operator Interlock

Radiation Meter
Remote Workstation Configuration



ISO 9001 & ISO 14001 CERTIFIED

Specifications are preliminary and may change once unit is built.

[1]Weight and dimensions of the system may vary depending on customization.
[2] Based on N42.46-2008 Imaging Performance Standards.
[3]Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

Due to continued product development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact **sales@astrophysicsinc.com** for the most updated brochures.

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